



*"We Help  
Put America  
Through  
School"*

## **Data Strategy Enterprise-Wide Routing ID (RID)**

## **Core Team Working Session**

September 16, 2003



# Agenda

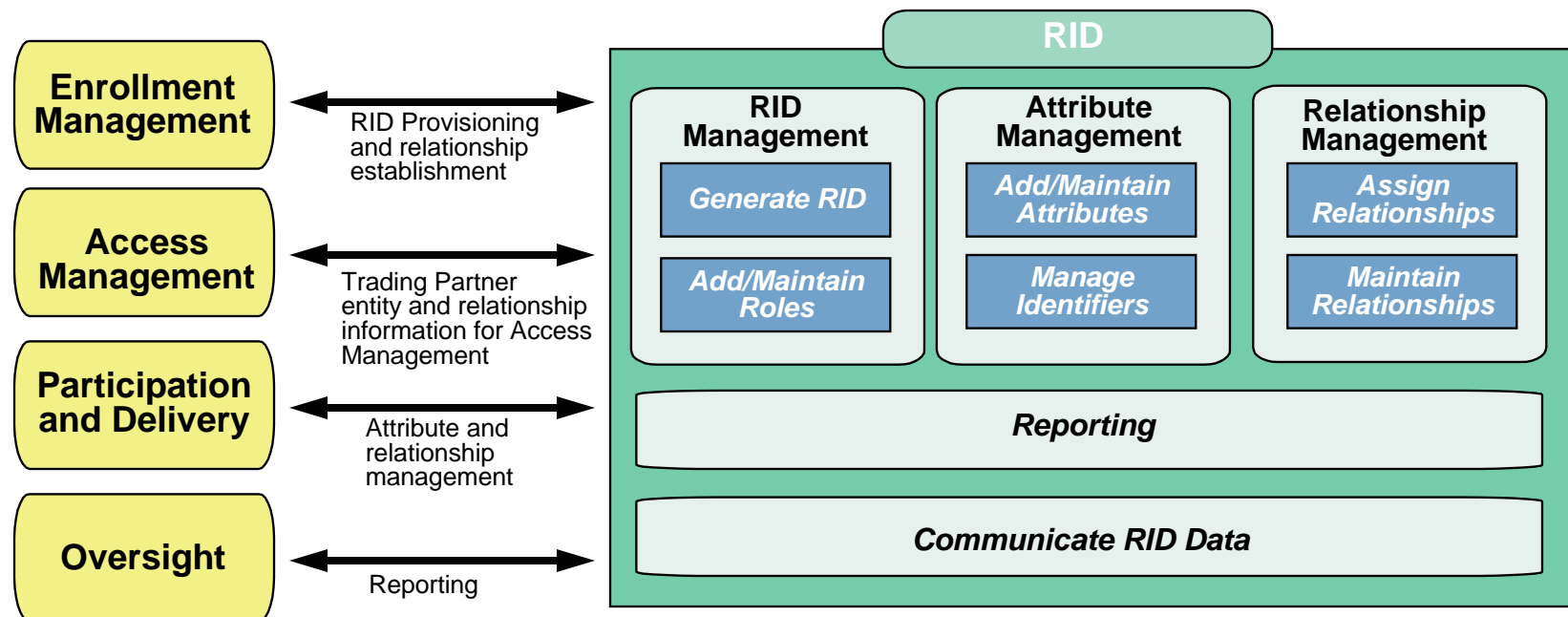
**Objective:** Provide team additional insight into the RID solution's High Level Design

## Agenda

- Overview of RID Solution Process Models
- Change of Affiliation Scenarios
  - Constructing Complex Scenarios
  - Role Absorption and Separation
- Effective Dating



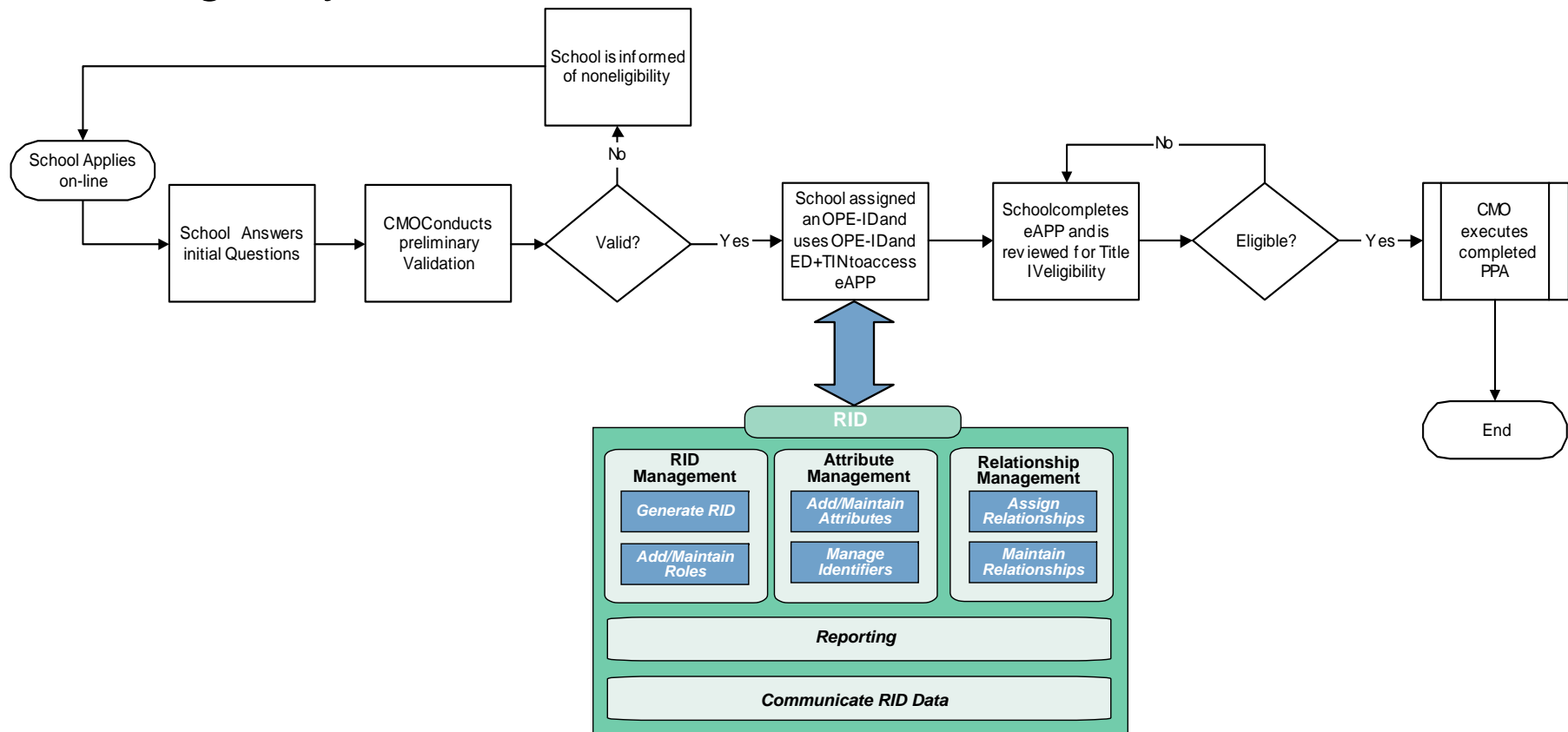
# RID Solution Functionality





# Business Process Triggers

- Requests will be made of the RID Solution from within numerous business processes. For example, Title IV Eligibility





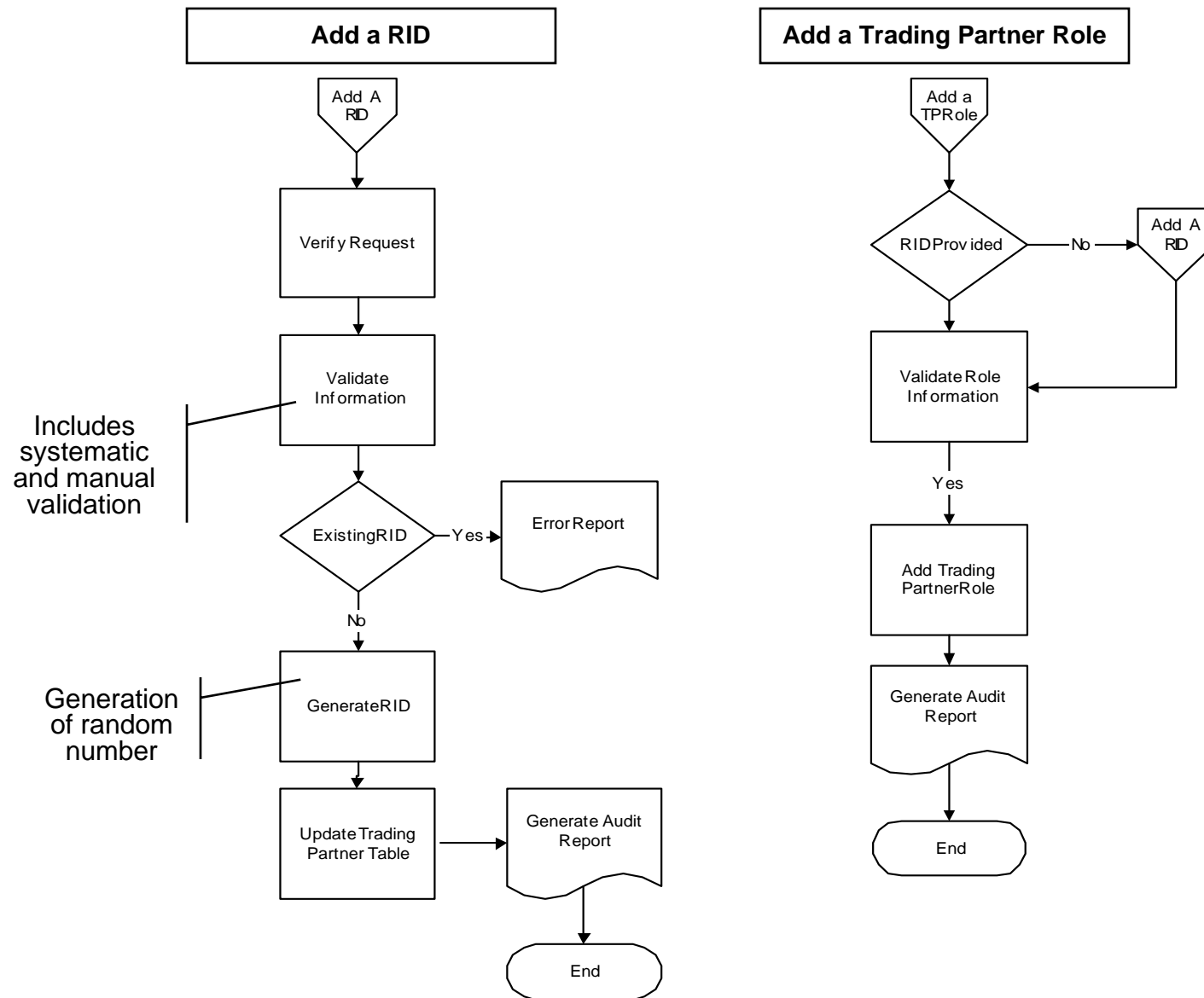
# RID Solution Processes

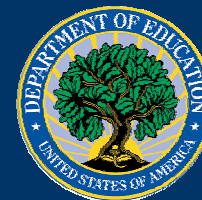
Processes have been broken down into basic work units. More complex processes (e.g. COA) would be constructed from these basic processes.

Key Process	Description/Inputs
Generate RID	Describes actual creation of RID within solution. Requires key demographic inputs (varies by role), and effective date.
Add Roles	Creation of role(s) associated with RID. Requires identification of the RID, effective date.
Maintain Roles	Modification of role(s) (e.g. expiration, etc). Requires identification of RID, role and date information.
Add Attribute Data	Includes attribute data at the Entity, Role, and Relationships levels. The attribute data includes the legacy identifiers.
Maintain Attribute Data	Describes process of maintaining the attribute data.
Assign Relationships	Assignment of relationships between RID/Role combinations. Requires information regarding the RID/Role, relationship type and effective date
Maintain Relationships	Describes process of maintaining relationships.
Reporting	Includes pre-generated, parameter driven, and ad-hoc reports. Inputs vary by report type.
Communicate RID Data	System to System processes to interface RID solution into enterprise.



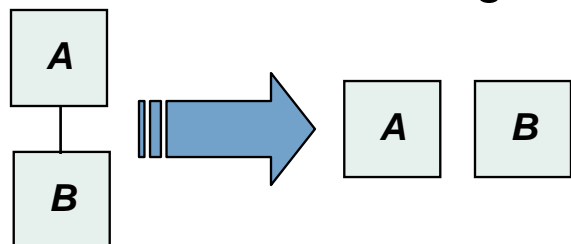
# Sample Process Flows within RID



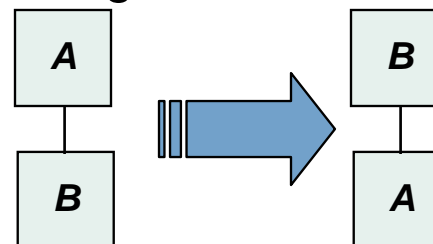


## Change of Affiliation – Basic Types

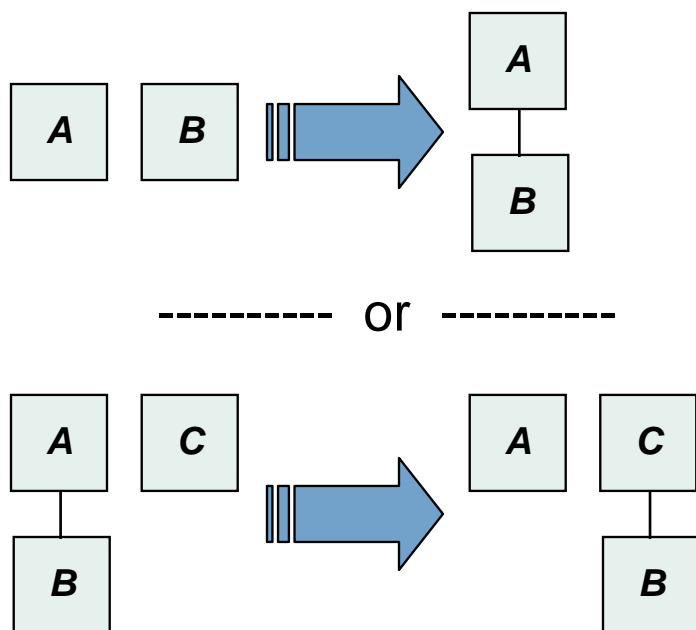
### Location to Freestanding



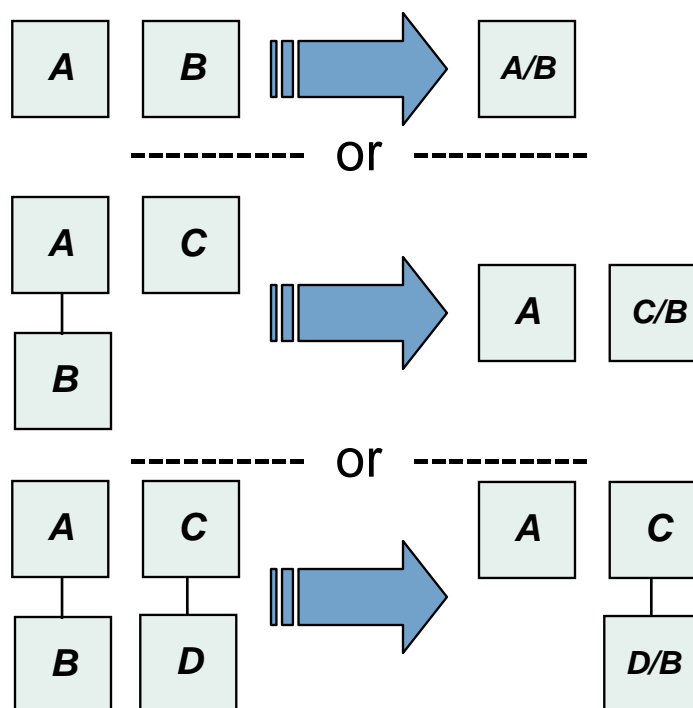
### Redesignation\*



### Merge/Consolidation



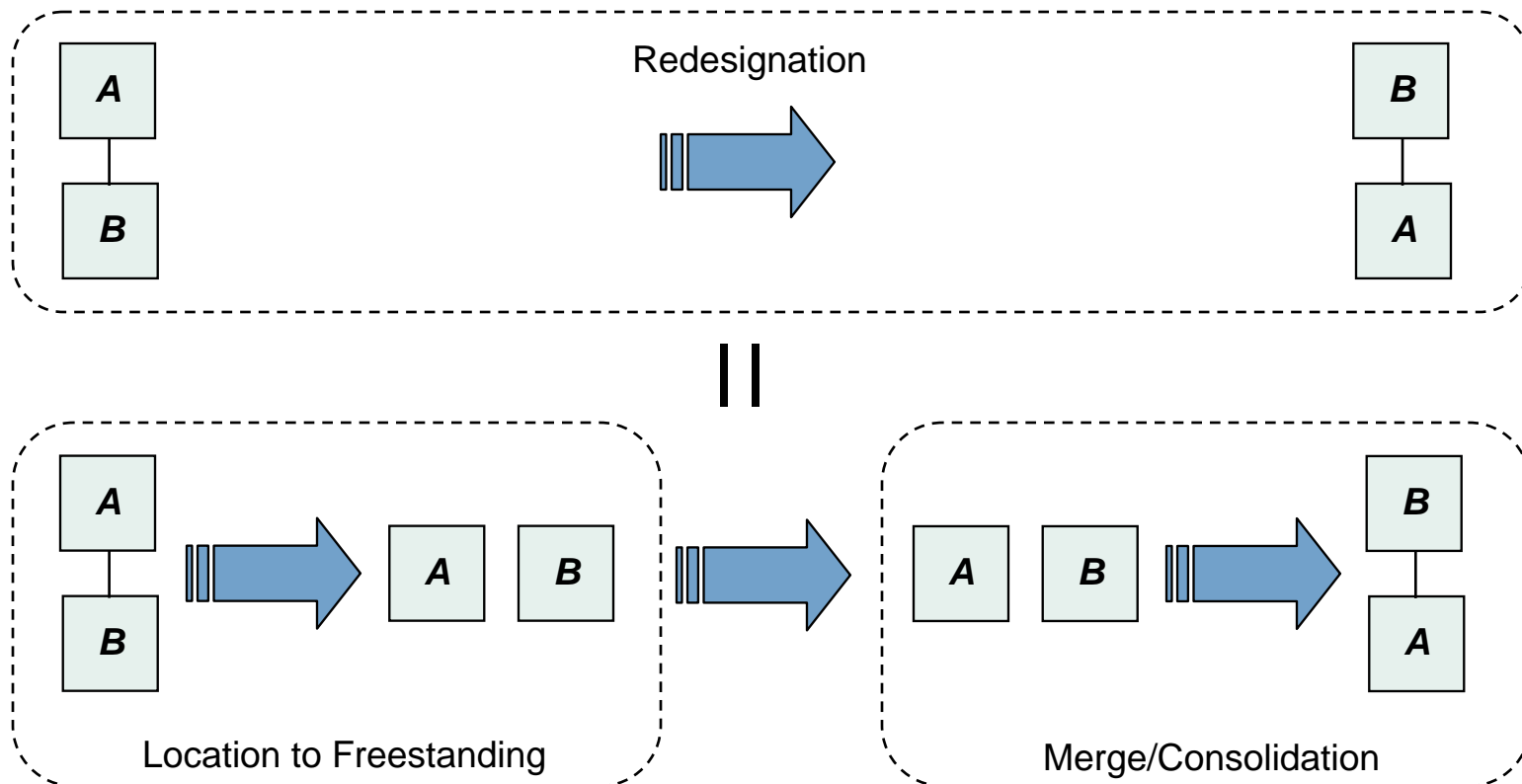
### Merge/Absorbed





## Change of Affiliation – Complex Scenarios

Using the basic COA types, more complex scenarios may be constructed. A 'simple' example of this would be the redesignation. Although this is already a basic type of COA, it also may be accomplished with a combination of other basic types.



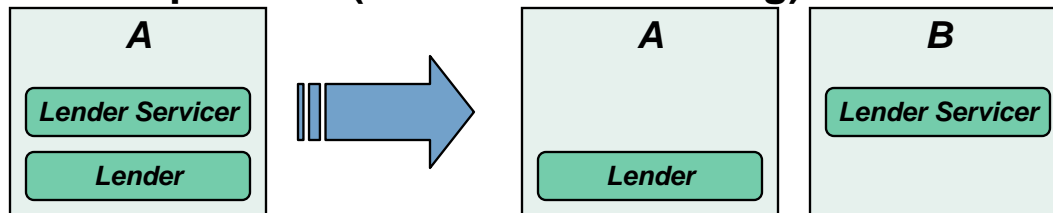




# Change of Affiliation – Additional Cases

The RID Solution introduces the concept of entity roles and thus introduces additional COA possibilities.

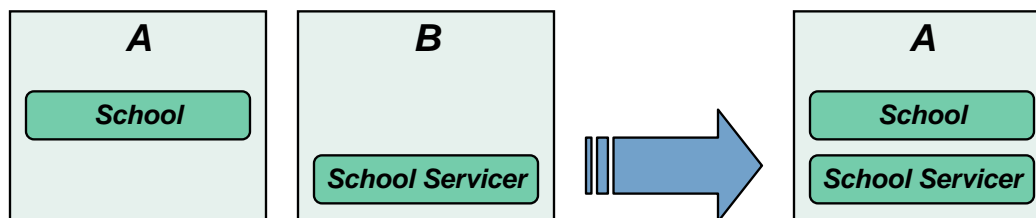
## Role Separation (Role to Freestanding)



### Key Points:

-New entity is formed and thus requires creation of new RID

## Role Absorption (Role Merge/Absorbed)



### Key Points:

-Does not require creation of new RID.

-Follows business rules for absorption if duplicate roles exist.

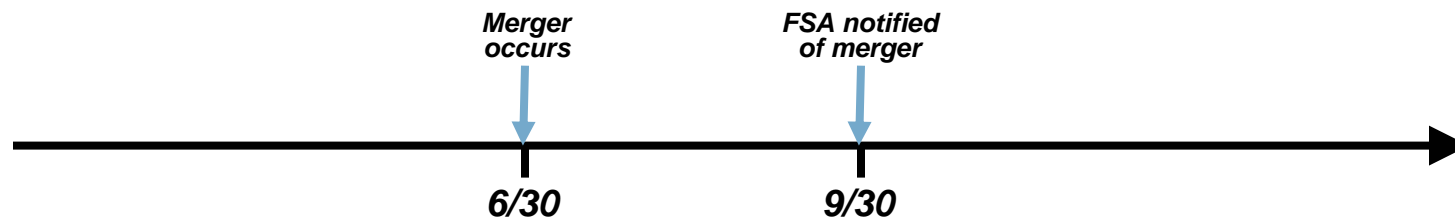


# Effective Dating

Current business processes have capability to 'back date' information. For example, a consolidation between two entities may not be known to FSA until several months after the fact.

## Scenario:

1. Two entities merge/consolidate on June 30<sup>th</sup>.
2. FSA does not learn of the merger until September 30<sup>th</sup>, at which time it is entered into the system with a 'back dated' effective date of June 30<sup>th</sup>.

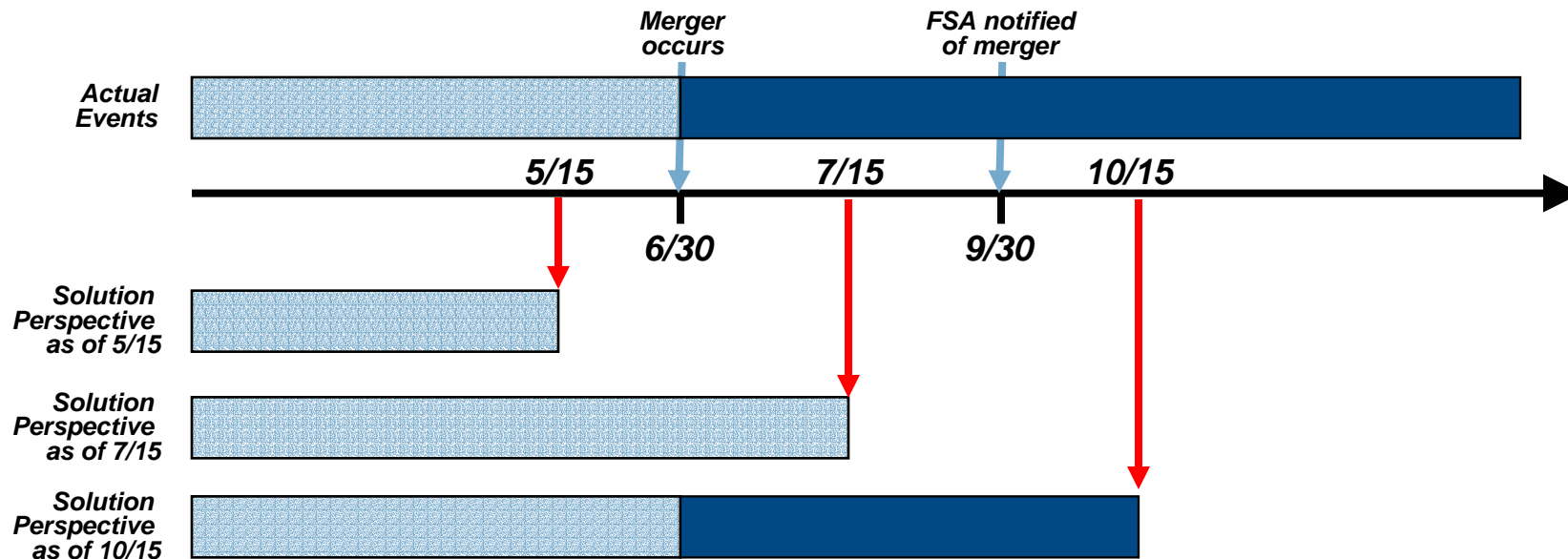


How will the solution support this scenario?



# Effective Dating

Solution will provide time 'perspective' of historical data. That is, at any point in history, the solution should accurately represent the information as it appeared at that point in time. Note this may be different from how it appears in the present.



## Key Points:

1. Solution must have ability to make changes effective in the past.
2. Solution must maintain accuracy on historical data as to the way it looked on 'X' date.
3. Solution must provide access to historical perspectives.



# Effective Dating

Below is sample\* data from example.

Trading Partner			
RID	Trading Partner Name	Creation Date	Effective Date
11111111	School A	7/1/72	7/1/72
22222222	School B	7/1/78	7/1/78

Trading Partner Roles				
RID	Role Code	Business Name	Creation Date	Effective date
11111111	School	School A	7/1/72	8/1/72
22222222	School	School B	6/1/78	8/1/78

Trading Partner Relationships									
TP Prime RID	TP Prime RID Code	TP Prime Role Effective Date	TP 2 <sup>nd</sup> RID	TP Secondary Role Code	TP Secondary Effective Role Date	Relationship Type Code	Relationship Create Date	Relationship Effective Date	Expire Date
11111111	School	8/1/72	22222222	School	8/1/78	Parent/Child	9/30/03	6/30/03	



**7/15 Solution Perspective:**  
Only data with creation date prior to 7/15 would be selected. Thus the merger relationship would not appear to be in place even though relationship record exists with effective date of 6/30.

**Note that normally, solution users will seek the 'current' solution perspective on the information stored within.**

\* Only portion of data model included for illustrative purposes.